



## PARKS, RECREATION & FORESTRY

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### Street Tree Planting Program Fall, 2021

Our fall street tree planting program will consist of a total of 226 trees. Of these trees, 78% are replacement trees, the majority of which have resulted from the removal of ash trees due to the Emerald Ash Borer. We are continuing an aggressive approach of removing ash trees that are increasingly showing signs of decline or have died from the effects of the borer. Our policy is to replace all trees that have been removed, with the exception of sites that are lacking the room for a new tree or where utilities prohibit planting. All efforts are made to replace the trees. The 2021 Non-Assessed Tree Budget will be exhausted this fall, leaving 478 replacement trees unfunded. The number of unreplaced trees will grow as additional trees are removed between now and the Spring 2022 Planting Season. Currently, replacement trees are being scheduled for 2023. At some point trees will be scheduled for replacement in 2024.

Our fall planting program contains 17 new development plantings which is a decrease over last year. These plantings are primarily in the Fox Lake Village and Howell Oaks Estates subdivisions. New home construction looks to increasing slightly in these subdivisions, so we are expecting a higher number of new development plantings next spring.

Finding available trees from nurseries continues to be a challenge. The process of purchasing trees through a "Growing Agreement" to alleviate this problem was implemented three years ago. Some of those trees were delivered this spring and another shipment is due this fall. We will continue this program in the future. Species diversity is still a priority as well as quality nursery stock to ensure the continuation of a healthy urban forest facing various urban and environmental challenges.

Thank you for your continued support.

Mike Talaska  
City Forester  
Department of Parks, Recreation and Forestry



## City of Waukesha

### Fall 2021 Tree Planting Summary

TYPE	WITH CHARGE	WITHOUT CHARGE	TOTAL
Fill In	14	1	15
Replacements	1	165	166
Requests	1	2	3
Storm	0	9	9
Retirement/Dedication	4	0	4
Project	29	0	29
<b>TOTALS</b>	<b>49</b>	<b>177</b>	<b>226</b>

1.75" – 2" Caliber (B&B)

17 Cultivars

Cost Assessment \$235.00 per tree

9/1/2021

# Tree Planting Assessment Charge History 2021

Year	Charge	\$ Difference	% Difference
2008	165.00	10	6.4%
2009	175.00	10	6.0%
2010	185.00	10	5.7%
<b>Break-even</b>	<b>\$186.00</b>	<b>Cost to plant</b>	<b>One tree</b>
2011	190.00	\$ 5	2.7%
2012	195.00	\$5	2.6%
2013	195.00	----	----
2014	195.00	----	----
2015	195.00	----	----
2016	205.00	+ \$10	5.1%
2017	205.00	----	----
2018	220.00	+ \$15	7.3%
<b>Break-even</b>	<b>234.00</b>	<b>Cost to plant</b>	<b>One tree</b>
2019	235.00	+ \$15	6.8%
2020	235.00	----	----
2021	235.00	----	(\$4.83 Decrease vs. 2020)

## Tree Planting Breakdown

(On aver. 500 to 600 trees per year – Spring + Fall)  
20 trees / day

Average tree cost = \$148.72 / tree  
(Using 2021 spring tree bids)

Direct Labor cost is \$29.24/hour  
(Using 2021 Arborist labor rates)

Locate site, diggers and mark	.25hrs
Load tree and travel to site	.25hrs
Dig the site and prep hole	.5hrs
Plant the tree	1.0hrs
Backfill hole	.5hrs
Mulch and water in	.5hrs
	.5hrs

Total      3.0 @ \$29.24/hr. = \$87.72

**Aver. tree cost @ \$142.27 + Direct Labor cost @ \$87.72 = \$229.99**



## Forestry Maintenance History

Year	Service Request	Trees Planted	Trees Removed	Trees Pruned	Comments
1998		1083			
1999		517			
2000		825			
2001		750			
2002		743		6,599	
2003		602	167	4,033	
2004	456	<b>666</b> 600=Street *36 = Park	185	<b>3819</b> 1,543 = REG. 2,276 = Train	*Last year of Park Tree Replacements
2005	483	568	303	<b>3783</b> 1,613 = Reg. 2,170= Train	
2006	478	488	380	<b>5365</b> 2,891= Reg. 2,474= Train	
2007	488	537	306	4,134	Add Chipper W/ Winch
2008	511	380	247	4,270	\$71.85/tree
					Operations Manager
2009	501	349	325	4,372	\$100.87/tree
	<b>Loss</b>	<b>of</b>	<b>Arborist</b>		
2010	591	337	328	3,911	\$92.96/tree
2011	581	407	317	4,786	\$85.85/tree
			6 yr. average 316		
2012	408	268	324	3,621	
2013	421	348	416	3,050	
2014	635	409	549	3,306	
2015	566	447	574	2,870	2nd Chipper W/ Winch
2016	644	544	758	2,839	
2017	695	617	684	3,154	Add Backhoe W/ Grapple
2018	725	473	957	3,387	
2019	882	593	723	3,382	
2020	891	614	934	3,458	5-Year Removal Ave 807 Trees
2021 YTD	946	430	438	<b>3007</b> 1,637= Reg. 1,370= Train	More Trees Removed = Fewer Trees Pruned